

3423

C. & G. SURVEY, LIBRARY AND ARCHIVES MAR 20 1913 Acc. No.

423

Bepartment of Commerce and Labor coast and geodetic survey
Superintendent.
State: Mash
DESCRIPTIVE REPORT.
Hydro Sheet No. 3423
Olympia Starbor
1913
R. B. Berickson



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Hydrographic Sheet 3423.

Olympia Harbor,

Budd Inlet, Washington.

Scele 1:5000

Str.GEDNEY.

R.B.Derickson, Asst. Henry Bernhardt; Mate;

Chief of Party

Hydrographer.

1913.

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Descriptive Report

to

accompany

Hydrographic Sheet of Olympia, Harbor,

Budd Inlet, Puget Sound, Wash.

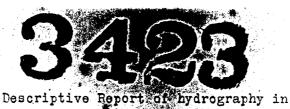
Scale 1:5000

R.B.Derickson, Assistant,

Chief of Party

Henry Bernhardt; Mate,

Hydrographer.



Olympia, Washington.

Executed during the month of February 1913

By party of R.B.Derickson, Asst.,

Commanding C.& G.S.S.GEDNEY.

The sounding was done from the ship's whaleboat, and the area covered was principally for the purpose of developing the mud flats and shoals from the head of the harbor (southend) to Priest Point.

The work covers an area of about 1.2 sq.miles and the soundings will mostly reduce to minus depths.

No attempt was made to go over the work done by the U.S.Engineers in the dredged channels leading to the wharf at Olympia, and report of the manigational purposes is therefore omitted.

Elue prints of work executed by the U.S.Engineers is herewith attached.

A tide staff was established at Percivals Dock and continuous observations from January 4th to February 17th were made. The plane of reference for the reduction of soundings is 2 ft. below the mean of lower low waters as observed one lunar month, and corresponds to 4.5 feet on the staff.

The projection was made in the field and four triangulation signals plotted thereon by their geographic positions. The other signals used in the hydrographic work were located by the topographic party with the plane table, and they and the shoreline were transferred from the topographic sheet.

Respectful

Approved and forwarded,

Herry Gernhard

te, C.& G Survey. Hydrographer.

## STATISTICS OF HYDROGRAPHY EXECUTED IN OLYMPIA HARBOR, WASH.

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Dat	e 1913: .	Letter	. color:	Vol:	Positions:	Sounding	gs: Miles Statue	: Boat	_
	(								
Теъ.	3rd.	â	blue	1	23	172	3.0	Whaleboat.	٠
n	5th	b,	<b>11</b>	1	76	422	6.0	11	
11	6th	C	11	ı	77	429	5.5	11	ŕ
11	7th	d	11	2	77	434	6.0	11	
Ħ	8th	θ,	11	2	41	142 ·	2.0	11	
11	10th	f	11	. 2	48	231	3.5	11	•
11	1.2th	g	, ti	3	56	÷ 227	3.0	. 4	
ti	lSth	h.	tr	3 *	44	219	.3 <b>.6</b>	п .	
11	14th	· i	11	3 .	59	251	4.0	tt	
ff	15th	j		3	40 ·	236	3.0	11	
fi .	17th	, k	11	3	43	150	3.0	11	
TOTAL				3 ,	584	2913	42.0		

## HYDROGRAPHIC SHEET 3423.

Olympia Harbor, Budd Inlet, Puget Sound, Washington, by Assistant R. B. Derickson in 1913.

## TIDES.

Olympia ft.

2 feet below mean lower low water or plane of reference on staff 5.5

Lowest tide observed " " 2.7

Highest " " 23.3

Mean range of tide 10.8

APR 25 1913

## Bepartment of Commerce and Labor

Hyd. Sheet = 3423 +

The positions on this sheet were plotted of the field party and hours been accepted as correct, although checked in numerous places where errors were thought possible.

By looking at the sheet it will appear,
that no attempt was made to develop the
dredged channels. With this exception, the
work has been systematically arrowinged, executed
very well, the mud flats and shoot places
sufficiently developed, the crossings, on the average,
being very close.

J.P. Shkeam

aug. 9-1913

Verified, D. Torrey. 1/6/13